(19)Japan Patent Office (JP)

(12)Publication of Patent Application (A)

(11)Publication Number of Patent Application: Japanese Patent Laid-Open 64578/1994

(43)Date of Publication of Application: March 8, 1994

(51)Int.Cl.[5] B62K 17/00

B60T 1/04

B62K 1/00

B62M 7/12

Identification Number

Intraoffice Reference Number 7336-3D

9237-3H

7336-3D

7331-3D

FI

Technical Display Portion

Request for Examination: made

Number of Claims: 3 (3 pages in total)

(21)Application Number: Japanese Patent Laid Open 298567/1991

(22)Application Date: August 29, 1991

(71)Applicant: 591217469

Hirotada Murai

34-2 Daita 5-chome, Setagaya-ku, Tokyo

(72)Inventor: Hirotada Murai

34-2 Daita 5-chome, Setagaya-ku, Tokyo

(54)[Title of the Invention] Disk-like vehicle

(57)[Abstract]

[Problem]

The most simple vehicle driven by power and a main object thereof is constituted by moving down an inclined face of a mountain.

[Constitution]

As shown by Figs.4(a) (b) in selected views on other sheet, there are two kinds of ways of riding on the vehicle. In the case of Fig.4(a), a splash guard is not provided and therefore, a rubber wheel at a rear portion and a rubber projection portion on a back face of a splash guard are not provided and therefore, in the case of stopping the vehicle, the vehicle is stopped exclusively by an engine brake.

In the case of Fig.4(b), a rider shifts the body weight to a rear portion of the slender seat on an upper face of a splash guard, a rear portion of the splash guard is made to be proximate to a disk and a rubber wheel and a rubber projection portion are brought into contact with a surface of the disk and brake can be applied by a friction thereof.

[Claims]

[Claim 1]

A disk-like vehicle, wherein an engine shaft connected with an engine and a battery or a fuel tank or the like at an

inner portion thereof and projected to left and right sides from a center of a disk in a conical shape having a number of holes at a surface thereof is inserted and connected with a small hole of a lower portion on left and right sides of an attached seat bent in a saddle-like shape having a hinge at a rear portion of an upper face thereof, further, a center of an upper cross bar is attached with a remote controller switch, and a handle comprising a cross bar and a vertical bar similarly inserted and connected with small holes of lower portions of the left and right vertical bars of the handle, and small holes of left and right feet mounts in a pedal-like shape are similarly inserted and connected to constitute an integral member.

[Claim 2]

A disk-like vehicle constituted such that at a hinge of a rear portion of an upper face of an attached seat in a saddle-like shape attached to a disk, there is the slender seat on the upper face, further, there is a rubber projection portion for braking at a rear face thereof, further, the rear portion is divided in two and a semicircular splash guard attached with a rubber wheel in a shape of a bobbin winder by an axle is attached therebetween, and the splash guard is moved up and down by the hinge.

[Claim 3]

A disk-like vehicle, wherein the engine in the disk of Claims 1 or 2 is removed and the vehicle is used exclusively

for moving down an inclined face.

[Detailed Description of the Invention]

[0001]

The invention is a disk-like vehicle in which both faces thereof shown by attached drawings of Fig.1 through Fig.4 is in a conical shape and in a shape of a wheel of an automobile, and according to a method of using the vehicle, as shown by Claims 1 and 2, there are a case of using the vehicle without attaching a splash guard and a case of using the vehicle by attaching the splash guard.

[0002]

Shafts (2) (2') fixedly connected with an engine and a battery or a fuel tank or the like at an inner portion thereof are projected from a center of a disk (1) in a conical shape having left and right holes to left and right sides.

[0003]

The left and right engine shafts (2) (2') are connected with a saddle shape seat (3) an upper portion of which is bent and in which a hinge (5) is present on a rear side of an upper portion thereof by way of small holes (4) at lower portions of both faces thereof.

[0004]

At the hinge (6), there is a slender seat (7) at an upper face thereof bent in a semicircular shape, a rubber wheel (8) in a shape of a bobbin winder is attached to a portion thereof

divided in two at a distal end thereof by a wheel, and a back face of a middle thereof is attached with a splash guard (6) bent in a semicircular shape attached with a rubber projection portion (9).

[0005]

In Fig.3(a), when a rider shifts the body weight to a rear side of the slender seat (7), a front portion of the splash guard (6) bent at a portion of the hinge (5) is inclined upward and the rear portion is moved down to a lower side, the rubber wheel (8) in the shape of the bobbin winder attached to a distal end of the splash guard (6) is brought into contact with a surface of the disk (1), since directions of rotating the disk and the rubber wheel are reverse to each other, the disk is braked and advancing can be stopped.

[0006]

At the same time, the rubber projection portion (9) of the back face on the rear side of the splash guard (6) is brought into contact with the surface of the disk (1) and rotation of the disk can be stopped.

[0007]

The left and right projected shafts (2) (2') of the disk (1) are inserted and connected with small holes (10) (10') of lower portions of left and right handle vertical bars and an upper portion of the handle vertical bar is attached with a handle cross bar attached with a remote controller switch (11)

at a center thereof.

[0008]

The left and right projected shafts (2) (2′) of the circular disk (1) are inserted to be attached with small holes at centers of feet mounts (12) (12′) in a pedal-like shape.

[Brief Description of the Drawings]

[Fig.1]

Fig.1(a) shows a side of a view of a disk-like vehicle of Claim 2 attached with a splash guard and Fig.1(b) shows a plane view thereof.

[Fig.2]

Fig.2(a) shows a side view of a disk-like vehicle of Claim 1 and Fig.2(b) shows a plane view thereof.

[Fig.3]

Fig.3(a) shows a state in which a wheel in a shape of a bobbin winder at a rear portion of a disk-like vehicle attached with a splash guard is brought into contact with a disk and a rubber projection portion of a back face of the splash guard is similarly brought into contact with a surface of the disk to apply brake. Fig.3(b) shows a rear view thereof.

[Fig.4]

Fig.4(a) shows a perspective view when a rider rides on a disk-like vehicle of Claim 1 and moves down an inclined face and Fig.4(b) shows a perspective view when a rider moves down by a disk-like vehicle of Claim 2.

[Description of Numerals and Signs]

(1) disk including engine or the like

(2) (2′) shafts projected from center of both faces of circular disk

(3) saddle-like shape seat

(4) (4′) left and right small holes at lower portion of saddle-like shape seat

(5) hinge connecting splash guard

(6) splash guard in semicircular shape

(7) slender seat attached to upper face of splash guard

(8) rubber wheel in bobbin winder shape

(9) rubber projection portion for braking at lower face of splash guard

(10) (10′) small holes at lower portions of handle vertical bars

(11) remote controller switch at center of handle cross bar

(12) (12′) pedal-like shape feet mounts having small holes

Fig.1

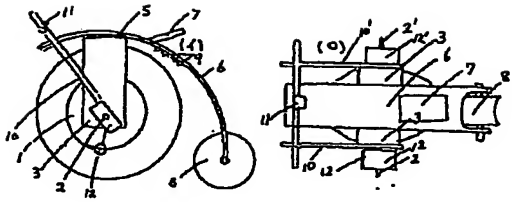

Fig.2

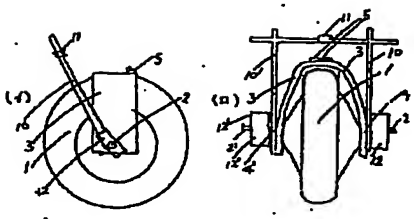

Fig.3

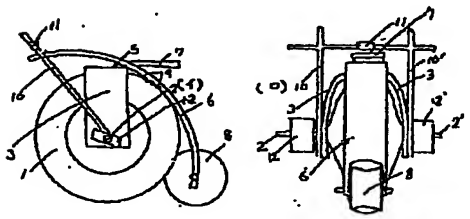

Fig.4